

LAKE LAFAYETTE WATERSHED STUDY
BC-02-21-01-13

PHASE II SCHEDULE

Prepared by
Environmental Research & Design, Inc.
April 15, 2003

Task	Description	2003								2004							
		J	F	M	A	M	J	J	D	J	F	M	A	M	J	J	D
1	Prepare/submit QAPP to County/Approval by EPA																
2.1.1	Install automated water quality monitoring equipment																
2.1.2	Install continuous monitoring equipment at Lower Lake Lafayette, if needed																
2.2.1	Perform elevation surveys																
2.2.2	Install lake level staff gage at Station L-26																
2.3	Install continuous recording rain gage at I-10/US 90 intersection																
2.4	Prepare Monitoring Equipment Installation Report																
3.1.1	Perform water quality monitoring for 12 months																
3.1.2	Perform sampling up the tributaries																
3.1.3	Analyze samples for organic compounds																
3.2.1	Perform 12 months of grab sample water quality monitoring at Lake Piney Z and Alford Arm																
3.2.2	Analyze water quality sample for Class III parameters																
3.2.3	Collect water samples at sink and analyze for primary and secondary drinking water standards																

Task	Description	2010												2011												Total	Status
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
3.3.1	Determine seepage locations at Talquin WWTP																										
3.3.2	Determine collective flow rate from seeps; collect water sample																										
3.4	Collect rainfall records																										
3.5.1	Collect/analyze 30 lake bottom sediment core samples																										
3.5.2	Analyze 10 sediment core samples for organic compounds																										
3.6	Prepare/submit Quarterly Monitoring Reports to County																										
4	Develop/produce digital vegetative cover map																										
5.1	Produce bathymetric maps for ERD																										
5.2.1	Propose plan for performing hydrographic survey																										
5.2.2	Perform bathymetric surveys																										
5.3	Provide stage-area and stage-volume relationships to ERD																										
6.1	Meet with County/government experts; determine tests/observations to be performed																										
6.2	Perform tests/observations specified under Task 6.1																										
6.3	Prepare Groundwater Hydrology Report																										
7	Attend review meeting																										

	DESCRIPTION	2004								2005					
		J	F	M	A	M	J	J	D	J	F	M	A	M	J
8.1	Calibrate existing stormwater runoff model spreadsheet														
8.2	Develop existing condition 12-month water budget														
8.3	Develop existing 12-month pollutant loading budget														
8.4	Develop/calibrate 12-month lake pollutant loading/pollutant concentration model spreadsheet														
8.5	Prepare/submit "Existing Status of Lake Lafayette and the Lake Lafayette Watershed-2003" report														
9.1	Propose/provide to County list of practical watershed management alternatives														
9.2	Meet with County to discuss results of Tasks 8.5 and 9.1														
9.3	Schedule/coordinate/attend review meeting with stakeholders														
9.4	Finalize management alternatives to be evaluated; define future condition to be studied														
9.5	County GIS Division will provide digital map/land use data														
10.1	Determine future monthly runoff volume														
10.2	Develop monthly future conditions water budget														
10.3	Develop 12-month future conditions pollutant loading budget														
10.4	Develop/calibrate 12-month spreadsheet for lake pollutant loading/pollutant concentration model														
10.5	Calculate pollutant load reductions necessary to achieve lake water quality goals in each of the 4 lakes														
10.6	Evaluate final set of lake and watershed management alternatives														
10.7	Develop "Draft Lake Lafayette/Lake Lafayette Watershed Management Plan"; submit to County for review														

		2014				2015				2016			
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
10.8	Hold review meeting with County staff												
10.9	Schedule/coordinate/attend meeting with stakeholders												
10.10	Finalize Plan based on comments received from stakeholders and County												
11.1	Prepare/submit to County 10 copies of the Final Lake Lafayette/Lake Lafayette Watershed Management Plan												
11.2	Present findings, results, and management recommendations of the project												
11.3	Attend up to 2 additional meetings to present findings, results, and management recommendations												
12	Prepare/submit monthly progress reports/invoices to County												